

FORM PTO-1390  
(REV. 01-2001)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

04556/HG

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**10/507539**

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

INTERNATIONAL APPLICATION NO.  
PCT/JP03/03289INTERNATIONAL FILING DATE  
March 18, 2003PRIORITY DATE CLAIMED  
May 16, 2002

**TITLE OF INVENTION APPARATUS FOR CONTINUOUS DISSOLUTION, PROCESS FOR CONTINUOUS  
DISSOLUTION AND APPARATUS FOR SUPPLYING WATER CONTAINING DISSOLVED GAS**

APPLICANT(S) FOR DO/EO/US HIROSHI MORITA; Junichi IDA; Kazumi TSUKAMOTO

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4.  The US has been elected (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a.  is attached hereto.
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

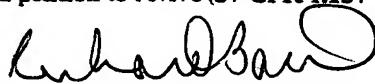
**Items 11 to 20 below concern document(s) or information included:**

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A preliminary amendment.
14.  An Application Data Sheet under 37 CFR 1.76.
15.  A substitute specification.
16.  A change of correspondence address letter (Form PTO/SB/122)
17.  A computer-readable form of the sequence listing in accordance with PCT Rule 13/err.2 and 37 CFR 1.821 - 1.825.
18.  A second copy of the published international application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20.  Other items or information:
  - (a) copy of REQUEST for PCT/JP03/03289
  - (b) copy of Form PCT/IB/308 for PCT/JP03/03289
  - (c) copies of first two pages of WO 03/097223  
(published application of PCT/JP03/03289)
  - (d) copy of International Search Report (Form PCT/ISA/210) with English-language translation thereof for PCT/JP03/03289
  - (e) REQUEST FOR PUBLICATION OF ASSIGNMENT INFORMATION
  - (f) Formal Drawings (Figs. 1 and 2, two sheets)

Express Mail Mailing Label  
No.: EV 443 226 722 US  
Date of Deposit: SEPTEMBER 13, 2004

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

*Dorothy DeFrancesco*  
Dorothy DeFrancesco

U.S. APPLICATION NO. (if known) 37 CFR 1.495 <b>10/507539</b>		INTERNATIONAL APPLICATION NO. PCT JP03/03289	ATTORNEY'S DOCKET NUMBER 04556/HG
21. <input checked="" type="checkbox"/> The following fees are submitted:		CALCULATIONS PTO USE ONLY	
BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):			
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO .....		\$1080.00	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO .....		\$920.00	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO .....		\$770.00	
International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) .....		\$730.00	
International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) .....		\$100.00	
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		<b>\$ 920.00</b>	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	- 20 =		x \$18.00
Independent claims	- 3 =		x \$86.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$290.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		\$	
<b>SUBTOTAL =</b>		<b>\$ 920.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$	
<b>TOTAL NATIONAL FEE =</b>		<b>\$</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +		\$ 40.00	
<b>TOTAL FEES ENCLOSED =</b>		<b>\$ 960.00</b>	
		Amount to be refunded:	\$
		charged:	\$
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>960.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-1378</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>			
<p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:  <b>FRISHAUF, HOLTZ, GOODMAN &amp; CHICK, P.C.</b>      767 Third Avenue - 25<sup>th</sup> Floor      New York, NY 10017-2023  <b>CUSTOMER NO: 01933</b>      Tel. No. (212) 319-4900      Fax No. (212) 319-5101</p> <p><b>Date: SEPTEMBER 13, 2004</b></p>			
 <p><b>SIGNATURE</b>  <b>Richard S. Barth</b></p> <hr/> <p><b>NAME</b>  <b>28,180</b></p> <hr/> <p><b>REGISTRATION NUMBER</b></p>			

10/507539

DT09 Rec'd PCT/PTO 13 SEP 2004

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Applicants : Hiroshi MORITA et al

Serial No. : To be assigned (U.S. National Phase of PCT/JP03/03289)

Filed : Concomitantly Herewith

For : APPARATUS FOR CONTINUOUS DISSOLUTION, PROCESS FOR CONTINUOUS DISSOLUTION AND APPARATUS FOR SUPPLYING WATER CONTAINING DISSOLVED GAS

Docket No. : 04556/HG

Customer No.: 01933

**REQUEST FOR PUBLICATION OF  
ASSIGNMENT INFORMATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

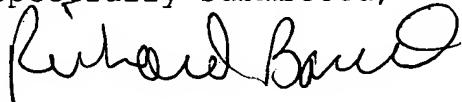
**ATTENTION: MAIL STOP PCT**

S I R :

It is requested that the following assignment information be published as part of the 18-month publication of the present application:

KURITA WATER INDUSTRIES LTD.  
4-7, Nishi-Shinjuku 3-chome,  
Shinjuku-ku, Tokyo 160-8383  
JAPAN

Respectfully submitted,



Richard S. Barth  
REG. NO. 28,180

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E-Mail Address: BARTH@FHGC-LAW.COM

Express Mail Mailing Label  
No.: EV 443 226 722 US  
Date of Deposit: September 13, 2004  
I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Dorothy DeFrancesco

In the event that this Paper is late filed, and the necessary petition for extension of time is not filed concurrently herewith, please consider this as a Petition for the requisite extension of time, and to the extent not tendered by check attached hereto, authorization to charge the extension fee, or any other fee required in connection with this Paper to Account No. 06-1378.